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THE CLINICAL CENTER  
DIVISION OF RESEARCH GRANTS

May 17, 1956

Dr. Joshua Lederberg  
The University of Wisconsin  
College of Agriculture  
Department of Genetics  
Madison 6, Wisconsin

Dear Joshua:

Kiyoshi's results are quite promising. I am interested in investigating the supposedly 'incomplete' PGal enzyme by exchange method ( $C^{14}$ -labelled Gal-1-P) and by serological method, i.e., can transconfiguration develop antigenic protein which will give rise to anti-PGal transferase.

Is the difference between G1-, G6-, G7- based exclusively on recombination percentages with respect to Gal+? I know that in the galactosemic cases which we have tried, the exchange reaction is also out. We have now an interesting case of a transfusion and I want to see whether the child's plasma contains anti PGal transferase. We can virtually follow the fate of donor cells by the falling titer of PGal enzyme, just like Shemin & London could use  $C^{14}$  glycine.

See you at Johns Hopkins.

Sincerely,

Herman M. Kackar

HMK:lh